Raw Sequence Listing Error Summary

ERROR DETECTED **SUGGESTED CORRECTION**   SERIAL NUMBER: _09/129,958_

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 _____ Wrapped Nucleics
The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".

2 _____ Wrapped Aminos
The amino acid number/text at the end of each line "wrapped " down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".

3 _____ Incorrect Line Length
The rules require that a line not exceed 72 characters in length. This includes spaces.

4 _____ Misaligned Amino Acid Numbering
The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs
between the numbering. It is recommended to delete any tabs and use spacing between the numbers.

5 _____ Non-ASCII
This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.

6 _____ Variable Length
Sequence(s) _____ contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and
indicate in the (ix) feature section that some may be missing.

7 _____ PatentIn ver. 2.0 "bug"
A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
sequence(s) _____. Normally, PatentIn would automatically generate this section from the
previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section
to the subsequent amino acid sequence.

8 _____ Skipped Sequences (OLD RULES)
Sequence(s) _____ missing. If intentional, please use the following format for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X:
(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).

9 _____ Skipped Sequences (NEW RULES)
Sequence(s) _____ missing. If intentional, please use the following format for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

10 _✓_ Use of n's or Xaa's (NEW RULES)
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or **Xaa represents**.

11 _____ Use of <213>Organism (NEW RULES)
Sequence(s) _____ are missing this mandatory field or its response.

12 _____ Use of <220>Feature (NEW RULES)
Sequence(s) _____ are missing the <220>Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32)   (Sec. 1.823 of new Rules)

13 _____ PatentIn ver. 2.0 "bug"
Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted
file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).
Instead, please use "File Manager" or any other means to copy file to floppy disk.

— . Fredman

> This Raw Listing contains the General Information
> Section and up to first 5 pages.

Does Not Comply
Corrected Diskette Needed

pp 1-2

```
1   <110> APPLICANT: Mills, Allen P.
2          Yurke, Bernard
3          Platzman, Philip M.
4   <120> TITLE OF INVENTION: ANALOG AND NEURAL NETWORK COMPUTATION USING DNA
5   <130> FILE REFERENCE: LUTEC 0008
6   <140> CURRENT APPLICATION NUMBER: US/09/129,958
7   <141> CURRENT FILING DATE: 1998-08-06
8   <150> EARLIER APPLICATION NUMBER: 09/078,761
9   <151> EARLIER FILING DATE: 1998-05-15
10  <150> EARLIER APPLICATION NUMBER: 09/018,248
11  <151> EARLIER FILING DATE: 1998-02-03
12  <150> EARLIER APPLICATION NUMBER: 60/086,654
13  <151> EARLIER FILING DATE: 1998-05-26
14  <160> NUMBER OF SEQ ID NOS: 4
15  <170> SOFTWARE: PatentIn Ver. 2.0
16  <210> SEQ ID NO 1
17  <211> LENGTH: 10
18  <212> TYPE: DNA
19  <213> ORGANISM: Artificial Sequence
20  <220> FEATURE:
21  <223> OTHER INFORMATION: Description of Artificial Sequence:  DNA based
22         analog oligonucleotide
23  <400> SEQUENCE: 1
24         agctatcgat                                                       10
25  <210> SEQ ID NO 2
26  <211> LENGTH: 34
27  <212> TYPE: DNA
28  <213> ORGANISM: Artificial Sequence
29  <220> FEATURE:
30  <223> OTHER INFORMATION: Description of Artificial Sequence:  DNA based
31         analog oligonucleotide
32  <220> FEATURE:
33  <221> NAME/KEY: variation
34  <222> LOCATION: (34)
35  <400> SEQUENCE: 2
36         aatgcaagat cgaaatttat acgtttatct tacn)                            34
37  <210> SEQ ID NO 3
38  <211> LENGTH: 34
39  <212> TYPE: DNA
40  <213> ORGANISM: Artificial Sequence
41  <220> FEATURE:
42  <223> OTHER INFORMATION: Description of Artificial Sequence:  DNA based
43         analog oligonucleotide
44  <220> FEATURE:
```

W-->

an explanation of "n" is mandatory in <223> response (see item 10 on Exm Summary sheet) and see 1.823 of sequence (rules)

```
45   <221> NAME/KEY: variation                    same error
46   <222> LOCATION: (34)
47   <400> SEQUENCE: 3                                            34
W-->  48       aatgcaagat cgaaatttat acgtttatct tacn ( )
49   <210> SEQ ID NO 4
50   <211> LENGTH: 30
51   <212> TYPE: DNA
52   <213> ORGANISM: Artificial Sequence
53   <220> FEATURE:
54   <223> OTHER INFORMATION: Description of Artificial Sequence:  DNA based
55       analog oligonucleotide
56   <400> SEQUENCE: 4                                            30
57       aatgcaagat cgaaatttat acgtttatct
```

Input Set: **I129958.RAW**

Line	?	Error/Warning	Original Text
36	W	"N" or "Xaa" used: Feature required	aatgcaagat cgaaatttat acgtttatct tacn
48	W	"N" or "Xaa" used: Feature required	aatgcaagat cgaaatttat acgtttatct tacn